

BRACKETS and EQUATIONS												
A: I can simplify expressions	<div><div>☺☹☹</div><div>☺☹☹</div></div>	<div>Simplify:-</div> <div>a) $7x + 4y - x + 3y$ b) $5p \times 3p$</div> <div>c) $3a + 4b + 5b - 2a$ d) $2x \times 3x$</div> <div>c) $5x + 3y \times 2 - y$</div>										
B: I can use substitution to evaluate expressions	<div><div>☺☹☹</div><div>☺☹☹</div></div>	<div>If $x = -3$, $y = 2$ and $z = -1$, evaluate</div> <div>a) x^2 b) xyz c) $2x - 3y + 4z$</div> <div>d) y^3 e) $2(x - z)$ f) $\frac{x^2 - 6}{yz}$</div>										
C: I can solve simple equations	<div><div>☺☹☹</div><div>☺☹☹</div></div>	<div>Solve:-</div> <div>a) $4p + 7 = 19$</div> <div>b) $5x + 12 = 57$</div> <div>c) $6x - 3 = 9$</div> <div>d) $8x + 5 = 2x - 25$</div>										
D: I can make and solve simple equations to help solve a problem	<div><div>☺☹☹</div><div>☺☹☹</div></div>	<div>Make an equation and solve it for the perimeter of this rectangle.</div> <div><div><div>Perimeter = 36 cm</div><div>x cm</div></div>4 cm</div>										
E: I can expand expressions with brackets	<div><div>☺☹☹</div><div>☺☹☹</div></div>	<div>Multiply out the brackets:-</div> <div>a) $4(x + 2)$ b) $3(p - 2)$ c) $3(x + 5)$</div> <div>d) $8(a - 3)$ e) $x(x + 2)$ f) $3x(x - 1)$</div>										
F: I can solve equations with brackets	<div><div>☺☹☹</div><div>☺☹☹</div></div>	<div>Solve:-</div> <div>a) $2(x + 1) = 8$ b) $3(x + 2) = 12$</div> <div>c) $5(x - 2) = 20$ d) $7(x - 3) = 28$</div> <div>e) $3(2x + 1) = 24$ f) $4(3x - 2) = 36$</div>										
G: I can follow a rule to find a sequence of numbers	<div><div>☺☹☹</div><div>☺☹☹</div></div>	<div>Find the next 3 numbers in each sequence :-</div> <div>1, 5, 9,.....,.....,</div> <div>3, 6, 12,,.....,</div> <div>2, 3, 5, 8,,.....</div> <div>1, 4, 9,,.....</div>										
H: I can find a formula for a sequence of numbers	<div><div>☺☹☹</div><div>☺☹☹</div></div>	<div>Find a formula for this pattern:-</div> <table><tr><td>Tables</td><td>1</td><td>2</td><td>3</td><td>4</td></tr><tr><td>Chairs</td><td>4</td><td>6</td><td>8</td><td>10</td></tr></table> <div>How many chairs would be needed for 8 tables?</div> <div>How many tables are needed if there are 48 chairs?</div>	Tables	1	2	3	4	Chairs	4	6	8	10
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